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(71)Applicant : ABBOTT LAB

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(72)Inventor : CHING SHANFUN
BILLING PATRICIA A
GORDON JULIAN

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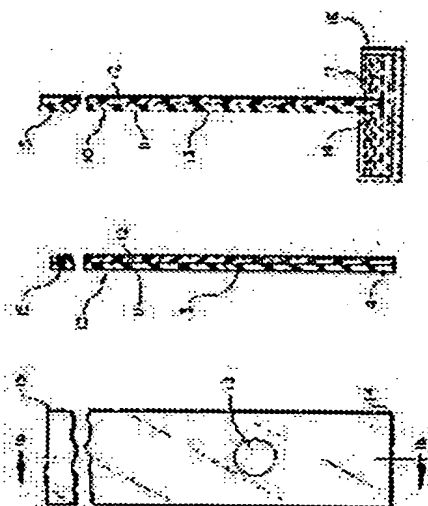
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(54) IMMUNO-CHROMATOGRAPHY USING COLLOIDAL PARTICLES

(57)Abstract:

PURPOSE: To establish a method by which a chromatographically mobile and visually detectable signals can be generated by passing a sample/indicator solution mixture containing a labeled first reagent and an object to be analyzed through a chromatographic substrate material.

CONSTITUTION: A fixed amount of sample to be tested is mixed with an indicator solution composed of a first reagent labeled with colloidal particles under the presence of a chromatographic movement accelerator and the first terminal 14 of a testing device 10 is dipped in the mixture 17 contained in a container 16. The sample/indicator solution mixture containing the labeled first reagent and the object to be analyzed advances to a first zone 13 through a chromatographic substrate material 11. Then the reagent and object are competitively bonded to a second specific binding reagent immobilized to the first zone 13. However, the chromatographic solvent moves so that the object to be analyzed and the material of the first reagent labeled with colloidal particles which are not specifically bonded to the immobilized second reagent can be eliminated from the zone 13 and the movement is continued until the sample/ indicator solution mixture is exhausted.



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